Remotes & Control Panels

IR Remote Controls and Remote Control Panels for Matrix Switchers

MATRIX SWITCHER CONTROL OPTIONS

Extron Matrix Switcher Control Options offer a variety of intuitive user control interfaces designed for easy mounting in virtually any application. From a simple contact closure control, to models with full X-Y input and output selection that are compatible with any Extron matrix switcher, there's a matrix switcher control option for every system design and remote switching requirement.

Models	MMX 32 AAP MMX 32 MAAP	IR 501[1]	MCP 1000M	MKP 1000[2,3]	MKP 1200	MKP 2000	MKP 3000 Series	FPC 1000	FPC 5000
MMX AV Series			■	■		■	■		
MMX SVA Series			■	■		■	■		
MAV Series		■	■	■		■	■		
MAV Plus Series			■	■		■	■		
Digital XPoint Series			■	■		■	■		
HDXP Plus Series			■	■		■	■		
MMX 32 VGA Matrix Series	■		■	■		■	■		
MVX Series		■	■	■		■	■		
MVX Plus 128 VGA A			■	■		■	■		
MPX SERIES			■	■		■	■		
TPX 88 Series			■	■		■	■		
ISM 482			■	■		■	■		
CrossPoint 300 Series			■	■		■	■		
CrossPoint 450 Plus Series			■	■		■	■		
Matrix 3200 & 6400 Series			■	■		■	■	■	
Matrix 12800 Series			■	■	■	■	■		■

[1] = Except MVX 128 VGA A, and larger [2] = Requires MCP 1000M, [3] = Requires MCP 1000M (except Matrix 3200 & 6400 Series)

IR 501

Handheld IR Remote Control for Small Matrix Switchers

DESCRIPTION

The Extron **IR 501** provides infrared remote control of the MAV 44/48/84/88 Series and MVX Series VGA matrix switchers.

Approximate range: 30 feet (9 meters)

MODEL	VERSION DESCRIPTION	PART #
IR 501	Handheld IR Remote Control for Small Matrix Switchers	70-336-01

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Dubai
+971.4.2991800
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Asia
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Remotes & Control Panels (continued)

IR Remote Controls and Remote Control Panels for Matrix Switchers

MCP 1000

MCP - Matrix Control Panel

DESCRIPTION

The Extron **MCP 1000** is a 1U, rack-mountable remote control panel compatible with any Extron RS-232 controllable switcher or matrix switcher. It features three modes of operation: one-button switching for a particular output; global presets; and room presets, which applies to Matrix 3200, 6400, 12800 matrix switchers only.

The MCP 1000M works in conjunction with the MKP 1000 remote keypad and supports up to 64 MKPs communicating within a system. The MCP 1000M also includes an RS-232 loop-through port for third-party control.

The MCP 1000 features large, positive-touch, illuminated push buttons, which can be labeled with text or graphics. For discreet yet easy access in space-restricted installations, the MCP 1000 provides mounting brackets suitable for three options: a standard 19-inch rack, mounting under a desk, or mounting through a desk. An internal international power supply is included.

MODEL	VERSION DESCRIPTION	PART #
MCP 1000M	Matrix Control Panel	60-298-01

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PART #
Assorted buttons (8)	Replacement Button Caps for MCP 1000	70-111-05

MKP 1000 Series

Remote Keypads for MCP 1000 and Matrix 3200/6400 Series

DESCRIPTION

The Extron **MKP 1000** is a remote keypad that can work in conjunction with an MCP 1000M or directly control a Matrix 3200/6400 Series matrix switcher from a remote location or room. Each keypad can be programmed to control the switching of certain inputs from a matrix switching system to a specific output associated with that keypad. The keypad can be used to select a different input, check the current input number, or select a preset. The MKP 1000 can be configured for the following modes: room preset mode, output mode, and global preset mode. For easy wiring and set-up, Extron Comm-Link cable provides communications and power from a Matrix 3200/6400 matrix switcher or MCP 1000. The MKP 1000 is mounted in a standard electrical wall box with a two-gang wall plate, which may be installed in a wall, conference table, or lectern.

The Extron **MKP 1000WT** is a water-tight version of the MKP 1000. It has a silicon gasket seal and ships with a weatherproof two-gang external wall box. The MKP 1000WT is designed to protect the keypad from moisture in outdoor installations.

MODEL	VERSION DESCRIPTION	PART #
Standard models		
MKP 1000	Black	60-239-02
MKP 1000	White	60-239-03
Water Tight models		
MKP 1000WT	Black	60-239-52
MKP 1000WT	White	60-239-53

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Remotes & Control Panels (continued)

IR Remote Controls and Remote Control Panels for Matrix Switchers

MKP 1200

Remote Keypad for Matrix 12800

DESCRIPTION

The Extron MKP 1200 is designed to directly control the Matrix 12800. It has the same functions as the MKP 1000: output mode, global preset mode, and room preset mode. The MKP 1200 is mounted in a standard electrical wall box with a two-gang wall plate, which may be installed in a wall, conference table, or lectern.

MODEL	VERSION DESCRIPTION	PART #
MKP 1200	Black	60-528-02
MKP 1200	White	60-528-03

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Dubai
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Asia
+65.6383.4400 / +800.7339.8766
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Remotes & Control Panels (continued)

IR Remote Controls and Remote Control Panels for Matrix Switchers

MKP 2000

X-Y Remote Control Panel for Extron Matrix Switchers

FEATURES

- **Works with Extron RS-232 and IP Link-enabled Matrix Switchers**
- **Ethernet and RS-232 matrix switcher control**
- **External universal power supply included**, part # 70-055-01

DESCRIPTION

The Extron **MKP 2000** is an X-Y remote control panel designed to work with any Extron matrix switcher equipped with either RS-232 or IP Link® Ethernet control capabilities. Its versatile, compact two-gang design provides for convenient mounting in virtually any location. In large-scale switching environments, an unlimited number of MKP 2000 control panels can be easily added wherever switcher control is needed.

User Interface

The MKP 2000's user interface features a large, alphanumeric LED display and a 12-button keypad. In addition to a 10-key numeric keypad for input and output number entry, other MKP 2000 user interface functions include:

- The **Back** button functions as a "backspace" for correcting the last digit of an entered input or output number.
- Using the **Cancel** button, a user can clear the LED display to 000, erasing any entered numbers or error messages.
- The **Input** button specifies that the next number entered is an input, while the **Output** button specifies that the next number entered is an output.
- The **Take** button executes the crosspoint tie created with the input and output selection. It is equivalent of the Enter button on a matrix switcher's front panel.
- The **LED display** shows the input or output number most recently entered using the MKP 2000's numeric keys. It also provides configuration status information during installation and setup.

Control Options

The MKP 2000 is designed to work with any Extron matrix switcher using Extron's SIS™ - Simple Instruction Set command structure, and is equipped with Ethernet and RS-232 serial control ports.

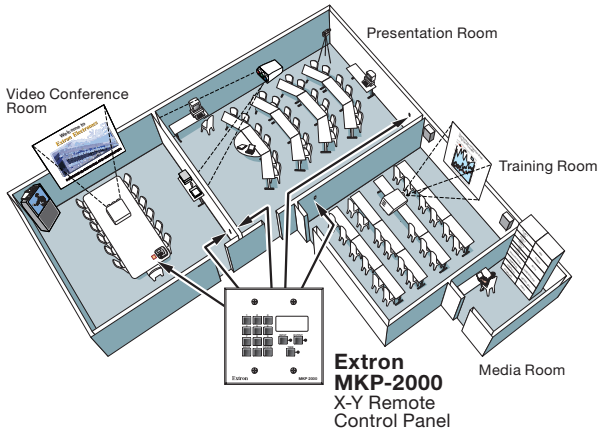
The MKP 2000 features two RS-232 ports, one for primary communication with the matrix switcher, and a second pass-through port which enables the use of a third-party control system. In addition, several MKP 2000s can be daisy-chained together via RS-232.

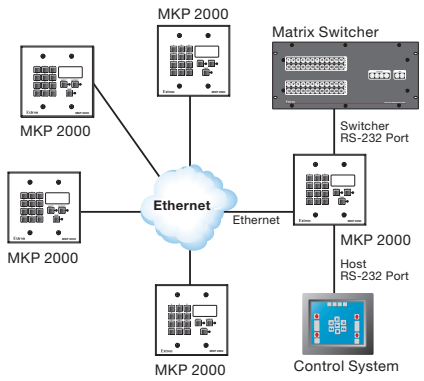
In a network environment, the Ethernet port allows the MKP 2000 to be placed on a standard TCP/IP network for use with IP Link enabled matrix switchers such as Extron's CrossPoint 450 Plus Series and MAV Plus Series. An unlimited number of MKP 2000s can be connected to the matrix switcher as part of a simple IP network.

One of the key features of the MKP 2000 is virtual I/O grouping, which allows access to specific inputs and outputs to be assigned or blocked for each MKP 2000 utilized in a system design. For example, each room in a multi-room application can have its own set of allowed inputs and outputs programmed into the local MKP 2000. Any number of MKP 2000 remote panels can be integrated into the system, and each can be restricted to a certain set of I/Os with relatively little effort.

Integrated Web Server

The MKP 2000's integrated, high performance IP Link Web server provides internal Web pages for easy set-up and configuration. The System Settings page consolidates controls for IP address setup, RS-232 control port setting, and switcher I/O configuration, including I/O authorization for the virtual I/O grouping function.





MODEL	VERSION DESCRIPTION	PART #
MKP 2000	Black	60-682-02
MKP 2000	White	60-682-03

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Remotes & Control Panels (continued)

MKP 3000 MAAP & MKP 3000

MKP 3000 MAAP

X-Y Remote Control Panel with LCD Display and MAAP Opening

UNIQUE FEATURES

- **Fits into three-gang wall plate**
- **Includes opening to accommodate MKP 10 MAAP 10-key Numeric Keypad**

MKP 10 MAAP

Shown with optional MKP 10 MAAP

MKP 3000

X-Y Remote Control Panel with LCD Display

UNIQUE FEATURES

- **Fits into two-gang wall plate**

COMMON FEATURES

- **LCD display** — Makes it easy to select and view the status of inputs, outlets, and presets.
- **Selection scroll knob** — Allows simple selection of inputs, outputs, presets, and volume control.
- **I/O and preset naming** — Input sources, output destinations, and global presets can be easily named using internal Web pages or serial commands.
- **Audio/Video breakaway control** — The selection scroll knob doubles as an audio output volume control for many Extron matrix switcher models.
- **Audio volume control** — The selection scroll knob doubles as an audio output volume control for many Extron matrix switcher models.
- **Global preset recall**
- **Virtual I/O grouping** — Either model can be configured with its own unique set of inputs and outputs. By limiting user access to specific I/O ties, custom switching zones can be easily created.
- **View all I/O ties in real time** — Allows the user to recall any established I/O tie and view it on an MKP 3000 Series LCD display.
- **RS-232 pass-through port** — In addition to the primary RS-232 port, both MKP 3000 Series models include a second RS-232 pass-through port. This provides a convenient communication path when a third-party control system is used in conjunction with either MKP 3000 Series model.
- **Unlimited control points** — Multiple MKP 3000 Series models can be added to any matrix system, providing convenient points of control from virtually any location.
- **Ethernet and RS-232 matrix switcher control** — Remote control can be added to both new and existing Extron matrix switcher installations.
- **Integrated Web server** — The MKP 3000 Series can be easily configured through its Ethernet port, using a Web browser such as Microsoft's Internet Explorer.
- **I/O sizes up to 256 x 256 and larger** — The MKP 3000 Series can switch both physical and virtual I/Os on large switchers such as the Extron Matrix 12800.
- **Executive lockout mode** — The front panel of the MKP 3000 Series can be locked out via Ethernet or RS-232 to prevent unauthorized panel configuration.
- **Downloadable firmware updates** — The latest firmware can be conveniently downloaded from the Extron Web site at www.extron.com. Updates for new features and capabilities can be easily upgraded through the Ethernet port.
- **Versatile mounting options** — Either MKP 3000 Series model can be installed on a conference table or podium, or in a wall, using any standard 2.5-inch deep masonry or surface mount box.
- **Optional MKP 10 MAAP 10-key keypad** — Enables quick and easy creation of I/O ties, and is ideal for larger switching systems.
- **External universal power supply included**, part # 70-055-01

MODEL	VERSION DESCRIPTION	PART #
MKP 3000 MAAP	Black	60-709-02
MKP 3000 MAAP	White	60-709-03
MKP 3000	Black	60-708-02
MKP 3000	White	60-708-03

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
MKP 10 MAAP	10-Key Numeric Keypad	page 372	60-710-10

Continued →

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Remotes & Control Panels (continued)

MKP 3000 MAAP & MKP 3000

DESCRIPTION

The Extron **MKP 3000** and **MKP 3000 MAAP** are mountable remote control panels designed to work with any Extron matrix switcher with RS-232 or IP Link® Ethernet control capabilities. Each model provides a convenient remote point of control for selecting both input and output channels, X-Y mode, recalling global presets, or selecting inputs tied to a specific output. When configured as an Ethernet-based control panel, multiple MKP 3000 and/or MKP 3000 MAAPs can be placed wherever switcher control is needed.

User Interface

The MKP 3000 Series' user interface features:

- LCD display – The two-line LCD display makes it easy to select and view the status of inputs, outputs, and presets.
- Selection scroll knob – Allows simple selection of inputs, outputs, and presets, as well as volume control.
- I/O plane selection button – Changes color to indicate audio only, video only, or audio and video.
- Tri-color, backlit buttons – Illuminate green, red, or amber, depending on function. The buttons can be custom-labeled for easy identification.

Control Options

The MKP 3000 and MKP 3000 MAAP are designed to work with any Extron matrix switcher using Extron's SIS™ - Simple Instruction Set command structure, and is equipped with Ethernet and RS-232 serial control ports.

RS-232 Control

The MKP 3000 and MKP 3000 MAAP both feature two RS-232 ports: one for primary communication with the matrix switcher, and one pass-through port for use of a third-party control system. In addition, several MKP 3000 MAAPs can be daisy-chained together via RS-232. Either model can also be combined with the Extron MKP 2000 to suit technical and/or control needs.

IP Link Ethernet Control

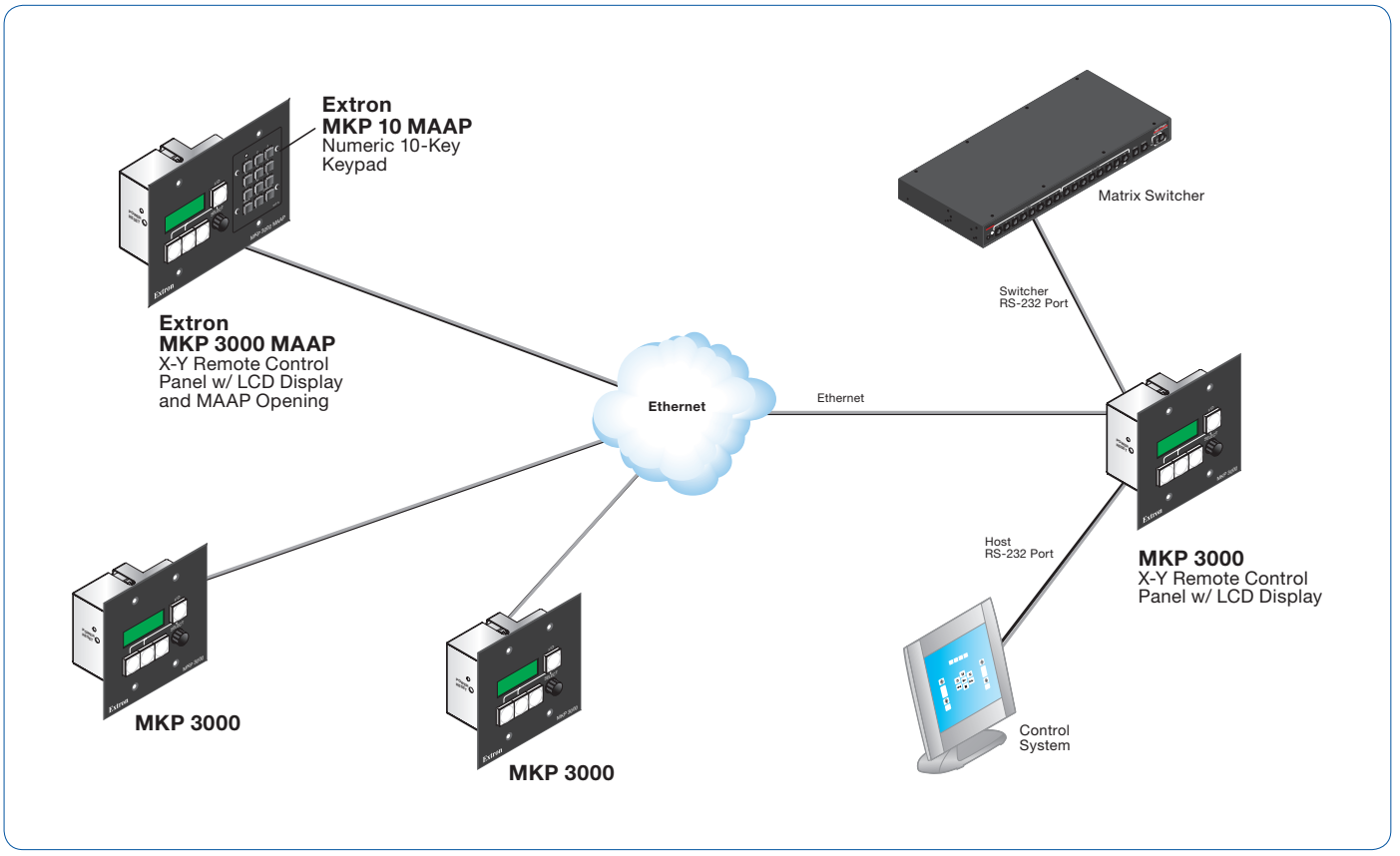
In a network environment, the Ethernet port allows an MKP 3000 or MKP 3000 MAAP to be placed on a standard TCP/IP network for use with IP Link enabled matrix switchers such as the Extron CrossPoint 450 Plus and MAV Plus Series. An unlimited number of MKP 3000 and/or MKP 3000 MAAPs can be connected to a matrix switcher as part of a simple IP network.

Virtual I/O Grouping

A key feature of the MKP 3000 Series is virtual I/O grouping, which allows specific inputs and outputs to be assigned or blocked for each controller utilized in a system design. For example, each room in a multi-room application can have its own set of inputs and outputs programmed into a local MKP 3000 or MKP 3000 MAAP. Any number of MKP 3000 and/or MKP 3000 MAAPs can be integrated into the system, and each can be restricted to a certain set of I/Os with relatively little effort.

Integrated Web Server

The MKP 3000 Series' integrated IP Link high performance Web server provides internal Web pages that offer an intuitive graphical interface for easy set-up and configuration. The System Settings page consolidates controls for IP address setup, RS-232 control port setting, and switcher I/O configuration, including I/O authorization for the virtual I/O grouping function. Inputs and outputs can be named for ease of operation in any switching application.



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MKP 3000 L NEW

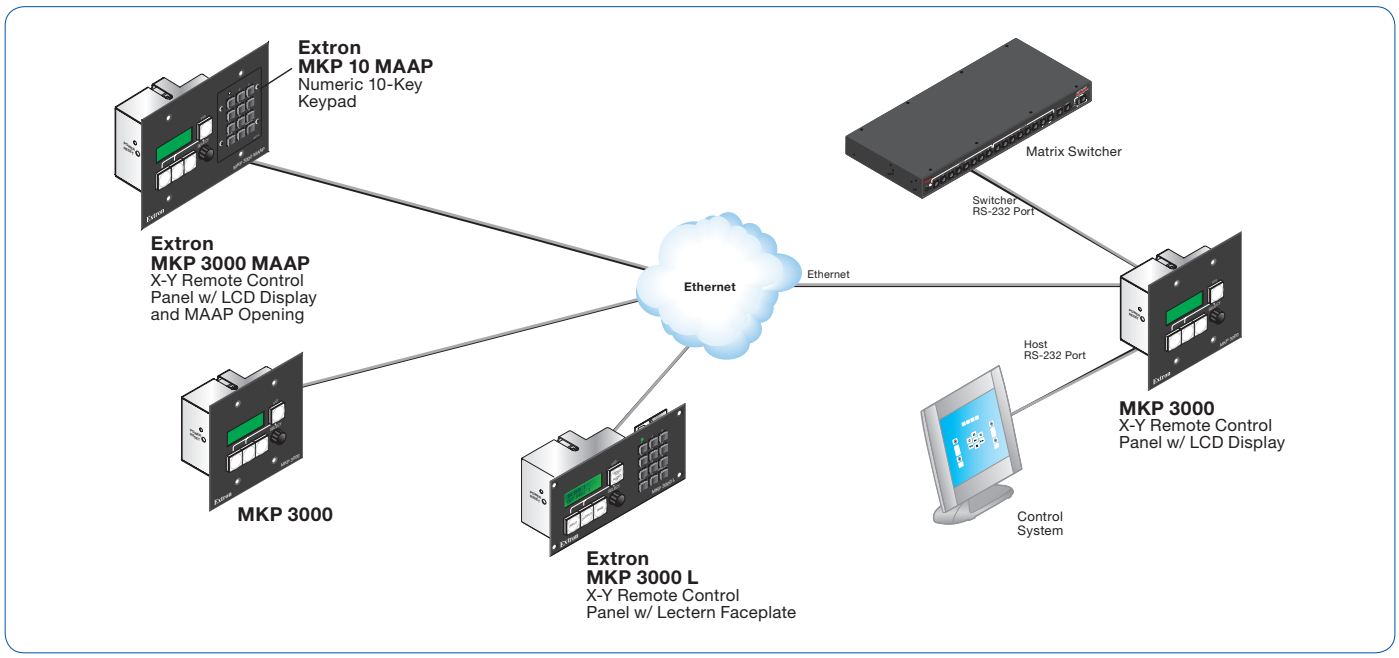
X-Y Remote Control with Lectern Faceplate

FEATURES

- **Compatible with most Extron matrix switchers**
- **Controls input, output, preset, and audio volume settings**
- **Selection scroll knob and LCD display**
- **10-key keypad**
- **Virtual I/O Grouping**
- **Ethernet and RS-232 interfaces**
- **Primary/secondary mode operation - via Ethernet**
- **Lectern or rack mounting options**
- **External universal power supply included**, part # 70-055-01

DESCRIPTION

The **MKP 3000 L** is a lectern-mountable, X-Y remote control panel that is compatible with most Extron matrix switchers via Ethernet or RS-232. The MKP 3000 L offers simple, selection-knob or direct keypad access to inputs, outputs, presets, and audio volume settings, without the need for a computer or third-party control system. In addition to lectern mounting, the MKP 3000 L is also well-suited for rack-mount applications with the optional UCM RAAP universal controller rack mount kit.



MODEL	VERSION DESCRIPTION	PART #
MKP 3000 L	XY Remote with Lectern Faceplate	60-709-22

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Dubai
+971.4.2991800
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Remotes & Control Panels (continued)

IR Remote Controls and Remote Control Panels for Matrix Switchers

MKP 10 MAAP

10-Key Numeric Keypad for MKP 3000 MAAP

DESCRIPTION

The Extron **MKP 10 MAAP** is a 10-key numeric keypad designed to supplement the selection scroll knob of the MKP 3000. It allows direct entry of input and output numbers to the MKP 3000 MAAP remote control panels. The MKP 10 MAAP is powered by the host MKP 3000 for fast, easy installation.

MODEL	VERSION DESCRIPTION	PART #
MKP 10 MAAP	Black	60-710-10
MKP 10 MAAP	White	60-710-20

FPC 1000

Optional LCD Front Panel Controller for the Matrix 3200 and Matrix 6400 Series

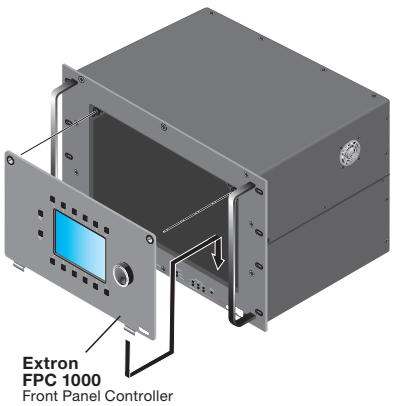
DESCRIPTION

The Extron **FPC 1000** Front Panel Controller is designed to operate as part of the Matrix 3200 and Matrix 6400 Series matrix switching system. One Matrix 3200/6400 Series matrix switcher may consist of up to six BME - Basic Module Enclosures switching up to 64 inputs and 64 outputs. The modules that make up a system are controlled as one from a single control device. When permanent, local control is required, the FPC 1000 allows for easy configuration of inputs and outputs, as well as the control of additional system features. The optional FPC 1000 mounts in place of the blank front panel in the master module, BME #0.

Using a monochrome, 320 x 240 pixel LCD graphic display, the FPC 1000 provides full control over the Matrix 3200 and 6400. All switching, set-up and diagnostics can be executed via an intuitive, menu-driven interface. Any user, regardless of their technical proficiency, can easily navigate through the FPC 1000's simple and straightforward menus to change, monitor, or control the features of the Matrix 3200 or Matrix 6400.

For seamless switching from one RGB input to another, the FPC 1000 includes an adjustable delay that can be configured for each output. This feature allows the Matrix 3200/6400 to accommodate the switching characteristics of any display device. Additional features include: instant global audio and RGB video mute/unmute functions, dynamically assigned "soft" buttons, a dynamically assigned speed knob, and a customizable display.

Note: FPC 1000 is not an option on sync BME - Basic Module Enclosures.



MODEL	VERSION DESCRIPTION	PART #
FPC 1000	Matrix 3200 Series - 5U BME	60-276-02
FPC 1000	Matrix 6400 Series - 7U BME	60-276-01

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Remotes & Control Panels (continued)

IR Remote Controls and Remote Control Panels for Matrix Switchers

FPC 5000

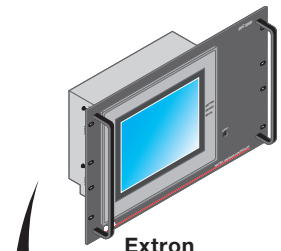
Front Panel Controller for the Matrix 12800

DESCRIPTION

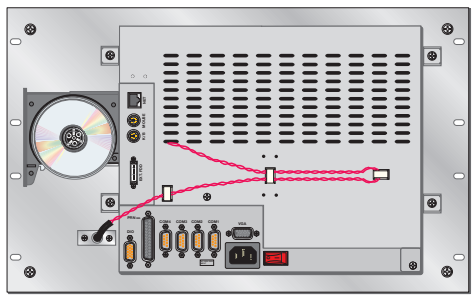
The Extron **FPC 5000** Front Panel Controller is designed exclusively for the Extron Matrix 12800, part of Extron's modular matrix switcher series. The FPC 5000 is an intuitive, 12.1 inch touch-screen, control interface for the Matrix 12800. From across the room or across the country, the easy-to-use FPC 5000 can control, monitor, access, and manage all of the Matrix 12800 switcher set-up and control functions via any local area network or Internet connection.

Simplicity is a key element to operating the FPC 5000. Using a color, 12.1 inch touch-screen, the FPC 5000 provides full control over the Matrix 12800. All switching, set-up, and diagnostics can be executed via an intuitive, menu-driven interface. Any user, regardless of their technical proficiency, can easily navigate through the FPC 5000's simple and straightforward menus to change, monitor, or control the features of the Matrix 12800.

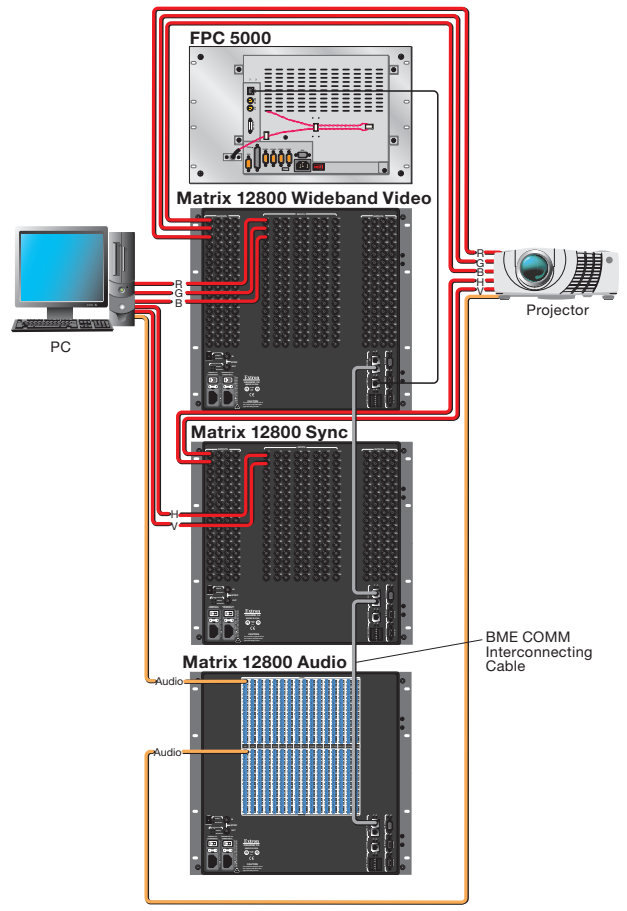
An innovative control device, the FPC 5000 is an invaluable addition to the Matrix 12800. With Ethernet capabilities, it can access the matrix from anywhere on a network, from multiple sites, as well as via the Internet. Housed within a 7U high, rack-mountable panel, the FPC 5000 can be installed in a rack, lectern, or control console.



Extron
FPC 5000
Front Panel Controller



Rear View



MODEL	VERSION DESCRIPTION	PART #
FPC 5000	Matrix 12800 Series	60-503-01

Europe
+31.33.453.4040 / +800.3987.6673
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Dubai
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